



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_19669
Title of the Manuscript:	Sverdrup Munk Bretschneider (SMB) Modification for Wave Height Predictors in Java Sea
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



SDI Review Form 1.6

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	Abstract and the whole text are to be re-structured. Language is poor. It must be improved. In the abstract, briefly it is to be mentioned that why modification is required for SMB method. Expand in the abstract, SMB, NLARX, ANN, BMKG, RMSE when it is used for the first time. The authors used to predict the average wave height of the one third the highest wave heights. It is usually termed as significant wave height H_s or $H_{1/3}$. The authors are encouraged to use the term H_s or $H_{1/3}$. Use the term significant wave height instead of wave height. Change the title of the paper to "SVERDRUP MUNK BRETSCHNEIDER MODIFICATION (SMB) FOR SIGNIFICANT WAVE HEIGHT PREDICTIONS IN JAVA SEA" Expand SPM and CEM in page 1. Equation 1. <u>Correction</u> Write, g-acceleration due to gravity (9.8 m/s^2) Page 2. Line 44-45: NLARX structure is expressed in equation (1). Is it correct?. I think SMB model is given in equation (1).	



SDI Review Form 1.6

	Line 46. What is t? Give the units. Lines 59-61. It is well known that N and S are latitudes and E and W are longitudes. Hence Delete the words `latitude and longitude`. <u>Page 4:</u> Line 130: Correct the equation number to '4'. Line 143: Correct the equation number to '5'. There is no figure legend for fig. 5 in the appendix	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments	The work is interesting and it has practical application. But the paper is very carelessly written. There are many grammatical mistakes in almost all the sentences. The text is to be re-structured and language is to be improved. Major revision is required. Further the authors claim that SMB method predicts the required significant wave height very accurately. SMB (modified) method seems to be the best method. The methodology is of regional application. The paper is acceptable if all the comments are properly addressed.	

Reviewer Details:

Name:	G.Muraleedharan
Department, University & Country	Instituto Superior Técnico, Universidade De Lisboa, Portugal